

PATENT

Sheet 1 of 3

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 19338DA	SERIAL NO. 08/554,424
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) LEONARDUS VAN DER PLOEG AND JEFFEREY W. WARMKE	
				FILING DATE 11/6/95	GROUP ART UNIT 1816
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
M-12 <del>1816</del>	A	Hall and Kasbekar, Drosophila Sodium Channel Mutations Affect Pyrethroid Sensitivity, University of New York at Buffalo, p. 99-114.			
	B	Noda, Masaharu et al., Existence of distinct sodium channel messenger RNAs in rat brain, Nature, Vol. 320, p. 188-192 (1986).			
	C	Liman, E., et al., Subunit Stoichiometry of a Mammalian K <sup>+</sup> Channel Determined by Construction of Multimeric cDNAs, Neuron, Vol. 9, p. 861-871 (1992).			
	D	Jackson, F., et al., The tip-E Mutation of Drosophila Decreases Saxitoxin Binding and Interacts with Other Mutations Affecting Nerve Membrane Excitability, Journ. of Neurogenetics, 3, p. 1-17 (1986).			
	E	Taylor, Martin F. J. et al., Linkage of Pyrethroid Insecticide Resistance to a Sodium Channel Locus in the Tobacco Budworm, Insect Biochem. Molec. Biol., Vol. 23, No. 7, p. 763-775, (1993).			
	F	Knipple, D. C., et al., Tight genetic linkage between the kdr insecticide resistance trait and a voltage-sensitive sodium channel gene in the house fly, Proc. Natl. Acad. Sci., Vol. 91, p. 2483-2487 (1994).			
	G	Williamson, M., et al., Knockdown resistance (kdr) to DDT and pyrethroid insecticides maps to a sodium channel gene locus in the housefly (Musca domestica), Mol. Gen. Genet. 240: p. 17-22 (1993).			
	H	Hall, L.M. et al., Molecular and genetic analysis of tip-E: a mutation affecting sodium channels in Drosophila, 35th Annual Drosophila Res. Conf., Program & Absts. Vol, p. 77. (1994).			
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	J	O'Dowd and Aldrich, Voltage-Clamp Analysis of Sodium Channels in Wild-type and Mutant Drosophila Neurons, The Journal of Neuroscience, 8 (10), p. 3633-3643 (1988).			
	K	Barry Ganetzky, Neurogenetic Analysis of Drosophila Mutations Affecting Sodium Channels: Synergistic Effects on Viability and Nerve Conduction in Double Mutants Involving tip-E, Journal of Neurogenetics, 3, p. 19-31 (1986).			
L	Thackeray and Ganetzky, Developmentally Regulated Alternative Splicing Generates a Complex Array of Drosophila para Sodium Channel Isoforms, The Journal of Neuroscience, 14 (5), p. 2569-2578 (1994).				
M	Loughney, K., et al., Molecular Analysis of the para Locus, a Sodium Channel Gene in Drosophila, Cell, Vol. 58, p. 1143-1154 (1989).				
EXAMINER		DATE CONSIDERED			
Mark T. Whit		1-9797			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					

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M-T-C ↓	N	Ramaswami and Tanouye, Two sodium-channel genes in Drosophila: Implications for channel diversity, Proc. Natl. Acad. Sci., Vol. 86, p. 2079-2082 (1989).			
	O	Salkoff, L., et al., Genomic Organization and Deduced Amino Acid Sequence of a Putative Sodium Channel Gene in Drosophila, Science, Vol. 237, p.744-749 (1987).			
	P	Gordon, D., et al., Biochemical Characterization of Insect Neuronal Sodium Channels, Archives of Insect Biochemistry and Physiology 22: p. 41-53 (1993).			
	Q	William A. Catterall, Cellular and Molecular Biology of Voltage-Gated Sodium Channels, Physiological Reviews, Vol. 72, No. 4 (Suppl.) p. S15-S48 (1992).			
	R	Thummel, C. et al., Vectors for Drosophila P-element-mediated transformation and tissue culture transfection, Gene, 74, p. 445-456 (1988).			
	S	Bunch, T., et al., Characterization and use of the Drosophila metallothionein promoter in cultured Drosophila melanogaster cells, Nucleic Acids Research, Vol. 16, No. 3, p. 1043-1059 (1988).			
	T	Noda, M., et al., Primary Structure of Electrophorus Electricus Sodium Channel Deduced from cDNA Sequence, Nature, Vol., 312, 8, p. 121-127 (1984).			
	U	Stevens, Charles, And now the sodium channel, Nature, Vol. 312, p.98-99 (1984).			
	V	Casadei et al "Monoclonal antibodies against the voltage sensitive Na channel from mammalian skeletal muscle": Proceedings fo the Nat'l Acad. of Sci. USA, Vol. 81, 10/84 pgs 6227-6231			
	W	Dascal et al. "Expression and Modulation of Voltage-Gated Calcium Channels After RNA Injection in Xenopus Oocytes", Science, Vol. 231 pp 1147-1150 (1988)			
	X	Noda et al. "Expression of functional sodium channels from cloned cDNA" Nature, Vol. 322, pp 868-828 (1986)			
	Y	Schreibmayer et al. "Mechanism of modulation of single sodium channels from skeletal muscle by the beta-1 subunit from rat brain", Euro.Jour. Phys. Vol. 426, No.3-4 pp 360-362 (1994)			
✓	Z	Tomaselli et al. "Sodium Channels from Human Brain RNA Expressed in Xenopus Oocytes". Jour. of Clinical Investigation, Vo. 83, No. 5, pp 1724-1732 (1989)			
EXAMINER M-T. W.M.			DATE CONSIDERED 1-17-97		
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INFORMATION DISCLOSURE STATEMENT  
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APPLICANT(S)

LEONARDUS VAN DER PLOEG AND JEFFREY W. WARMKE

FILING DATE

Nov 6, 1995

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MTL	3,898,339	8/5/75	ADAMS ET AL.			
MTL	4,536,591	8/20/85	PLUMMER ET AL.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AA	Reinhardt-Maelicke et al. "Application of an ectopic expression system for the selection of
		protein-isoform-specific antibodies" Euro. Jour. of Biochem., Vol. 216, No. 3, pp 871-877 (1993)

EXAMINER

M.T. Lull

DATE CONSIDERED

1-17-92

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